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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/047,863	01/16/2002	Lawrence D. Bergman	YOR920010077 5124		
75	90 04/05/2004		EXAM	INER	
Robert P. Tassinari, Jr.			RIMELL, S	RIMELL, SAMUEL G	
Intellectual Property Law Dept. IBM Corporation			ART UNIT	PAPER NUMBER	
P.O. Box 218			2175	ک	
Yorktown Heights, NY 10598			DATE MAILED: 04/05/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

<u> </u>		<u></u>			
	Application No.	Applicant(s)			
~	10/047,863	BERGMAN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Sam Rimell	2175 .			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the-mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on					
2a) This action is FINAL . 2b) ⊠ This	action is non-final.	. •			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ☐ Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3,6,8-10 and 13 is/are rejected. 7) ☐ Claim(s) 4,5,7,11,12 and 14 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 10.	epted or b) objected to by the I drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive i (PCT Rule 17.2(a)).	on No ed in this National Stage			
		SAM RIMELL			
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary				
 Notice of References Cited (PTO-992) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2. 	Paper No(s)/Mail Da				

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 6, 8-10 and 13 are rejected under 35 U.S.C. 102(e) as being anticipated by Horton et al. (U.S. Patent 6,421,622).

Claim 1: Horton et al. discloses an apparatus (FIG. 2) and a base station (FIG. 6). The apparatus is a device utilizing sensors along roll pitch and yaw axes. The base station is a factory that calculates calibration data. A data acquisition controller (21) controls the operation of physical parameter sensors (9, 10, 11, 13, 14, 15, 17) and forwards the data for storage in the EPROM (24). A data transmitter (port 25) communicates with a base station (FIG. 6) to request and download factory calibration data. The processor (23) which is in-situ on the apparatus and reads as a decision support module. This decision support module (23) performs three functions: (1) The decision support module (23) obtains data representing physical parameters, such as gyro data, acceleration data and temperature. (2)Assigns priorities (weights) to corrective factors associated with the data, such as bias, scale, factor, non-linearity, and (3) Communicates with the base station to contact the base station and receive feedback from the base station in the form of calibration data. The application of calibration data derived from the base station is considered an adjustment to the utility of the raw data obtained from the sensors on board the apparatus.

<u>Claim 2:</u> The progressive decision support module makes use of a model (FIG. 7) The model performs calculations to adjust measurable parameters, such as calibrated gyro rates or corrective rate signals.

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<u>Claim 3:</u> The model considers one or more variables, such as calibrated gyro rates or corrective rate signals.

<u>Claim 6:</u> The calibrated gyro rates are variables that are associated with weights. The weights are the weighting factors used for calibration, namely bias, scale factor, non-linearity and misalignment.

Claim 8: See remarks for claim 1.

Claim 9: See remarks for claim 2.

Claim 10: See remarks for claim 3.

Claim 13: See remarks for claim 6.

Claims 4, 5, 7, 11, 12, and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication should be directed to Sam Rimell at telephone number (703) 306-5626.

Sam Rimell Primary Examiner Art Unit 2175